DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 14-124439-LO

Project Name/Address: Cordova Building Sediment Management

Planner: Reilly Pittman

Phone Number: 425-452-4350/rpittman@bellevuewa.gov

Minimum Comment Period: March 20, 2014

Materials included in this Notice:

- ☒ Blue Bulletin
- ☒ Checklist
- ☒ Vicinity Map
- ☐ □□□Plans
- ☐ □□□Other:

OTHERS TO RECEIVE THIS DOCUMENT:

- ☒ State Department of Fish and Wildlife / Sterwart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- ☒ State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- ☒ Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- ☒ Attorney General ecyolyef@atg.wa.gov
- ☒ Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us

Cordova Building Sediment Management Vicinity Map

SEPA Checklist reviewed by Reilly Pittman on 3/3/2014

City of Bellevue Submittal Requirements	27

ENVIRONMENTAL CHECKLIST

10/9/2009

Thank you in advance for your cooperation and adherence to these procedures. If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

INTRODUCTION
Purpose of the Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21c RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Answer the questions briefly, with the most precise information known, or give the best description you can. You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer or if a question does not apply to your proposal, write "do not know" or "does not apply." Giving complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the Planner in the Permit Center can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. Include reference to any reports on studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of a Checklist for Nonproject Proposals: *A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.*

For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.

For nonproject actions, the references in the checklist to the words *project*, *applicant*, and *property* or *site* should be read as *proposal*, *proposer*, and *affected geographic area*, respectively.

Attach an 8 ½" x 11 vicinity map which accurately locates the proposed site.

Received
FEB 14 2014
Permit Processing
City of Bellevue

RP

City of Bellevue Submittal Requirements | **27a**

ENVIRONMENTAL CHECKLIST

4/11/2013

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

BACKGROUND INFORMATION

Property Owner: Lake Washington Partners, LLC

Proponent: Lake Washington Partners, LLC

Contact Person: Confluence Environmental Company, Attn: Kerrie McArthur
(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 146 N Canal Street, Suite 111, Seattle WA 98103

Phone: 206-999-6201

Proposal Title: Cordova Sediment Removal

Proposal Location: 405 114th Ave SE, Bellevue, WA
(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: Removal of streambed sediment with vaccum truck to maintain culvert capacity.
2. Acreage of site: 1.8 acres
3. Number of dwelling units/buildings to be demolished: 0
4. Number of dwelling units/buildings to be constructed: 0
5. Square footage of buildings to be demolished: 0
6. Square footage of buildings to be constructed: 0
7. Quantity of earth movement (in cubic yards): 0
8. Proposed land use: Routine maintenance of culvert capacity.
9. Design features, including building height, number of stories and proposed exterior materials:
   Not applicable (NA)
10. Other
    A vacuum truck is proposed to be used to remove streambed sediment to maintain culvert capacity. Similar work was done under permit # 09-132789 GD.

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Estimated date of completion of the proposal or timing of phasing:

Sediment removal is expected to be completed within 1 day. Work would occur during allowable in-water work window, between July 1 and September 30, as required by HPA #117251-1.

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Yes, maintenance of the culvert capacity is an on-going maintenance requirement that will need to occur periodically in perpetuity.

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Revised Streambed Sediment Management Plan, Cordova Building (AMEC Geomatrix, Inc. 2009) - attached
Wetland Delineation and Stream Survey Report, Cordova Building (AMEC Geomatrix, Inc. 2009) - attached

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

No

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

City of Bellevue -Clearing and Grading Permit
City of Bellevue - Critical Areas Land Use

Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):

☐ Land Use Reclassification (rezone) Map of existing and proposed zoning

☐ Preliminary Plat or Planned Unit Development
Preliminary plat map

☑ Clearing & Grading Permit
Plan of existing and proposed grading
Development plans

☐ Building Permit (or Design Review)
Site plan
Clearing & grading plan

☐ Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: ☑ Flat ☐ Rolling ☐ Hilly ☐ Steep slopes ☐ Mountains ☐ Other

b. What is the steepest slope on the site (approximate percent slope)?

less than 3%

c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Sandy loam and sandy soils are present in vegetated areas. Most of the site is currently impervious surface

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d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Approximately 20 cubic yards of streambed sediment will be removed over an approximate 1,600 square foot area.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

There is little potential for erosion during vegetation removal activities.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Same as current conditions.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

None.

2. AIR

a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Automobile exhaust from a vacuum would be emitted during sediment removal activities.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

None

3. WATER

a. Surface

(1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes, Sturtevant Creeks runs through the property. Sturtevant Creek, a Type F stream, flows south through the property. Sturtevant Creek is a tributary to Lake Washington.

The sediment is being removed from the culvert that contains Sturtevant Creek.

(2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If Yes, please describe and attach available plans.

Yes, streambed sediment removal will occur in the creek. The Revised Streambed Sediment Management Plan (AMEC Geomatrix, Inc. 2009) details the methods to be used.

(3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

20 cubic yards

(4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No, the proposed method is to use a vacuum truck during low-flow conditions to avoid having to divert surface water.

(5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No

(6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No

b. Ground

(1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

No

(2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

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c. Water Runoff (Including storm water)

(1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Not applicable, the proposed project will not generate runoff

(2) Could waste materials enter ground or surface waters? If so, generally describe.

No

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

None

4. Plants

a. Check or circle types of vegetation found on the site:

- [x] deciduous tree: alder, maple, aspen, other black cottonwood
- [x] evergreen tree: fir, cedar, pine, other
- [x] shrubs
- [x] grass
- [ ] pasture
- [ ] crop or grain
- [x] wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other reed canarygrass
- [ ] water plants: water lily, eelgrass, milfoil, other
- [ ] other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None

5. ANIMALS

a. Check or circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

☑ Birds: hawk, heron, eagle, songbirds, other:

☐ Mammals: deer, bear, elk, beaver, other:

☑ Fish: bass, salmon, trout, herring, shellfish, other: peamouth chub

b. List any threatened or endangered species known to be on or near the site.

None

c. Is the site part of a migration route? If so, explain.

Coho salmon are known to use the lower portion of Sturtevant Creek.

d. Proposed measures to preserve or enhance wildlife, if any:

Work will be limited to within the allowable work window.

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy need? Describe whether it will be used for heating, manufacturing, etc.

NA

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

NA

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any:

NA

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

There are no toxic chemicals required for the proposed project. Gas-powered equipment may be used by landscaping crews to remove invasive species. A vacuum truck will be used to remove sediment from the stream.

(1) Describe special emergency services that might be required.

None

(2) Proposed measures to reduce or control environmental health hazards, if any.

None

b. Noise

(1) What types of noise exist in the area which may affect your project (for example, traffic, equipment, operation, other)?

Existing audible noise includes sources typical of a city environment, including noise from the existing buildings and traffic along 114th Avenue SE and I-405. The proposed project would not be affected by these existing noise sources.

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(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Noise sources associated with the proposed project include the vacuum truck, which would create audible but short-term noise at the site and at adjacent properties.

Noise regulated by BCC 9.18

(3) Proposed measures to reduce or control noise impacts, if any:

None

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

Commercial businesses

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

A 4-story building used for commercial business is locate on the site.

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

Office (OLB)

f. What is the current comprehensive plan designation of the site?

OLB

g. If applicable, what is the current shoreline master program designation of the site?

NA

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Sturtevant Creek

i. Approximately how many people would reside or work in the completed project?

None

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

None

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

None

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9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

NA

b. What views in the immediate vicinity would be altered or obstructed?

None

c. Proposed measures to reduce or control aesthetic impacts, if any:

None

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None, all construction would occur during daylight hours.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

c. What existing off-site sources of light or glare may affect your proposal?

None

d. Proposed measures to reduce or control light or glare impacts, if any:

None

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?
Sidewalks along 114th Ave SE and DE 6th Street

b. Would the proposed project displace any existing recreational uses? If so, describe.
No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
None

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
No

b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site.
None

c. Proposed measures to reduce or control impacts, if any:
None

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.
The property is accessed from SE 6th Street. The proposed activity will not alter the existing access.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
Yes - King County Metro

c. How many parking spaces would be completed project have? How many would the project eliminate?
NA

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).
No

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
No

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.
None

g. Proposed measures to reduce or control transportation impacts, if any:
None

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15. Public Services

a. Would the project result in an increased need for the public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

None

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature.....

Date Submitted.....2/5/14.....

REVISED STREAMBED SEDIMENT MAINTENANCE PLAN

Cordova Building
Bellevue, Washington

Submitted to:
J&J Bellevue, LLC, Issaquah, WA

Submitted by:
AMEC Geomatrix, Inc., Lynnwood, WA

August 2009

Project 10111.003

AMEC Geomatrix

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FIGURES

APPENDIX

REVISED STREAMBED SEDIMENT MAINTENANCE PLAN
Cordova Building
Bellevue, Washington

1.0 INTRODUCTION

J&J Bellevue, LLC (J&J Bellevue) manages the property along Sturtevant Creek located at 405 114th Avenue SE, Bellevue, Washington (Figures 1 and 2). In order to maintain their property and prevent flooding, J&J Bellevue must maintain the flow capacity of the culvert on their property. AMEC Geomatrix, Inc. (AMEC), prepared a Streambed Sediment Maintenance Plan on behalf of J&J Bellevue and submitted the plan to the City of Bellevue in May 2009. In a letter dated July 20, 2009, the City of Bellevue requested additional information be provided to them (see Appendix A). This revised report documents J&J Bellevue's approach to maintaining the flow capacity of the culvert on their property and provides the additional information requested by the City. Per the City's request all revised and new information has been identified with underlining.

2.0 BACKGROUND

According to King County's hydrographic information (King County, 2009) and the Washington State Department of Natural Resources' water typing program (DNR, 2009), Sturtevant Creek is a Type F watercourse.

Within the property, Sturtevant Creek is a low-gradient, single-channel stream averaging 6 to 8 feet wide and 2 to 12 inches deep. Within the property, the stream is a pool/riffle complex with no large woody debris. Pools are formed by bends in the creek. Throughout the reach, the dominate substrate is sand. Areas of gravel and cobble exist in the riffles, but are highly embedded.

In 2005, a metal arch culvert adjacent to the Cordova building was replaced with a three-sided box culvert to allow the 100-year floodwaters to pass through the culvert without backing up and flooding the building's parking lot. Replacement of the undersized culvert with a three-sided box culvert resulted in the channel naturally widening, causing water velocity to slow and sediment to deposit. Over the last two years, the capacity of the culvert has been monitored (Geomatrix, 2007; AMEC, 2008). According to the monitoring, the average opening of the culvert is currently 68.88 square feet. This is 6.12 square feet less than the 75 square foot opening expected to be sufficient to convey the 100-year storm event.

A site investigation was completed on September 10, 2007, to determine the possible cause of the sediment deposition. Approximately 950 linear feet of streambank upstream of the culvert was evaluated for signs of erosion. Active erosion was apparent on the right streambank near the Hyatt Hotel, downstream of the culvert running under Interstate 405. The streambank material is dominated by cobbles and gravel. Barring any stabilization measures, this area will continue to provide sediment input to the stream.

To determine susceptibility of the site to continued deposition, basic surveying of channel geometry was conducted. A longitudinal profile and three cross sections were surveyed using a surveyor's level, stadia rod, and surveyor's tape. The longitudinal profile indicates that the channel slope is greater downstream from the lower culvert than upstream (0.4% vs. 0.1%). The cross sections also indicate that the width-to-depth ratio is greater downstream of the culvert than it is upstream. These two components of channel geometry suggest that deposition will tend to occur at the site. When there is a decrease in stream power, such as at an expansion of the channel, deposition can be expected. The increase in width-to-depth ratio at the culverts represents such an expansion. The lower channel slope at the two culverts also indicates that stream power is lower at this site than above or below, increasing the propensity for deposition. Sediment removal in the vicinity of the culvert will need to occur periodically over the life of the culvert or until measures are taken upstream of the culvert to reduce sediment input into Sturtevant Creek.

3.0 MAINTENANCE PLAN

To maintain the culvert's capacity to allow the 100-year floodwater to pass through the culvert without flooding the property, sediment removal in the vicinity of the culvert will need to occur periodically. To remove sediment from the streambed, the following permits will need to be obtained (Figure 3):

- Section 404/401 permit from the U.S. Army Corps of Engineers (Corps),
- Water Quality Certification from the Washington State Department of Ecology,
- Hydraulic Project Approval from the Washington Department of Fish and Wildlife (WDFW), and
- Grading permit from the City of Bellevue.

To help expedite the permitting process, this plan describes the methods to be used and will be submitted with all permit applications. The following methods will be used during each sediment removal event:

- Prior to sediment removal, utilities shall be field located prior to sediment removal activities. The appropriate jurisdictions and departments shall be contacted at 1-800-424-5555.

- Prior to sediment removal, block nets will be placed upstream and downstream of the sediment removal area, and a fisheries biologist will attempt to remove fish from within the block nets and release them unharmed downstream using a seine or dip net. Because there are no species listed under the Endangered Species Act in Sturtevant Creek and work will occur in the allowable work window when few if any salmonids are expected to be in the creek, seining and dip netting are an acceptable method to remove fish. Any fish caught will be transported and released downstream using clean buckets. The block nets will remain in place during the duration of the sediment removal. The downstream block net may be silt fence material to aid in reducing increases in turbidity downstream.

- A fisheries biologist will remain on site during the removal process to ensure that fish are not harmed or stranded. Should any fish be observed within the block net area during sediment removal, the sediment removal process will stop and the fish will be netted using a dip net and transported and released using clean buckets, unharmed downstream.

- Sufficient sediment will be removed to restore the carrying capacity of the culvert. However, no more than 20 cubic yards of sediment in the vicinity of the culvert will be removed from the streambed during any sediment removal event. Removal of excess sediment to increase the designed carrying capacity of the culvert will not occur.

- Sediment will be removed using a vacuum truck. The truck will access the stream from the existing culvert crossing. The truck will not be parked on any pervious surface.

- Sediment removal will be conducted during the allowable in-water work window stipulated by the Corps or as specified by the WDFW (currently set from July 1 through August 31).

- Sediment removal is expected to last less than 8 hours.

- Sediment above the water surface will take precedence for removal over sediment below the water surface elevation.

- Sediment will be removed with the vacuum truck in such a way as to minimize the amount of time the vacuum is in contact with flowing water. For example, if a sediment bar is being removed, the vacuum will remove sediment from the center first, working its way toward the sediment/water interface.

- Sediment removal will not result in exposed embankments slopes abutting the creek.

- Sediment removal will not result in a stockpile of sediment, as all sediment removed will be contained within the truck.

- Sediment will be taken to an approved upland disposal facility or recycled at a local landscaping facility by the vacuum truck company.

Unless required by the WDFW, a stream bypass system will not be used. The use of a vacuum truck rather than more traditional methods of sediment removal (i.e., backhoe) is a much more controlled method to remove sediment. Sediment can be removed by the vacuum truck with little to no contact with surface water. In past projects on other streams where a vacuum truck was used to remove sediment, a stream bypass system was not required by the local permitting agency, the WDFW, or the Corps.

Should new permits be required for each sediment removal project, referencing or including this plan with the permitting application should help to expedite the permitting process.

4.0 WATER QUALITY MONITORING

Sediment removal may cause temporary and localized impacts on water quality in the vicinity of the removal area. A slight increase in turbidity will occur in a limited mixing zone downstream of active work area. A silt curtain will be placed downstream of the active work area to reduce turbidity downstream and act as a block net. Also, elevated turbidity plumes that may occur in localized areas near active sediment removal are expected to dissipate relatively rapidly.

To ensure state water quality standards are met (i.e., not to exceed 5 nephelometric turbidity units [NTUs] above background conditions or 10 percent above background conditions if background exceeds 50 NTUs), turbidity will be monitored 100 feet upstream and downstream of the sediment removal area (Figure 2). The upstream stations will measure background conditions. A trained inspector or water quality professional will conduct the turbidity monitoring. Turbidity will be measured at both locations before the start of sediment removal and hourly thereafter until removal of the block nets and/or silt curtain. Should an exceedance of the turbidity standard occur during sediment removal, the removal process will stop. The trained inspector or water quality professional will conduct an investigation to determine the cause of the increase in turbidity and additional best management practices (BMPs) will be employed. BMPs will be at the discretion of the inspector/professional, but could include instillation of a silt fence (if not already in place), reducing the amount of sediment to be removed, reducing the rate of sediment removal, or stopping the removal altogether.

A water quality monitoring report will be submitted to the City of Bellevue. Because the sediment removal process is expected to last one day or less, only one report is anticipated. However, should the removal occur for more than one day, daily or weekly reports will be submitted. An example of a report form is show on Figure 4. At a minimum, the report will consist of the following information:

- Date – date the monitoring is occurring;
- Inspector's name;
- Instrument calibration notes;
- Station location – upstream or downstream;
- Time turbidity is measured – hh:mm;
- Turbidity value – NTU;
- Time sediment removal begins;
- Time block nets are removed; and
- Comments – fish observation, stop work issuances by inspector, additional BMPs employed, any other relevant information.

5.0 REFERENCES

AMEC (AMEC Geomatrix, Inc.), 2008, Year 2 Monitoring, Cordova Culvert Monitoring, Bellevue, Washington: Prepared for J&J Bellevue, LLC, Issaquah, Washington.

DNR (Washington State Department of Natural Resources), 2009, Water Typing Map: DNR, Forest Practices Division, Olympia, http://www3.wadnr.gov/dnrapp5/website/fpars/viewer.htm (accessed April 2, 2009).

Geomatrix (Geomatrix Consultants, Inc.), 2007, Year 1 Monitoring, Cordova Culvert Monitoring, Bellevue, Washington: Prepared for J&J Bellevue, LLC, Issaquah, Washington.

King County, 2009, iMAP – Hydrographic Information: King County, GIS Center, Seattle, Washington, http://www.metrokc.gov/gis/mapportal/iMAP_main.htm (accessed April 2, 2009).

FIGURES

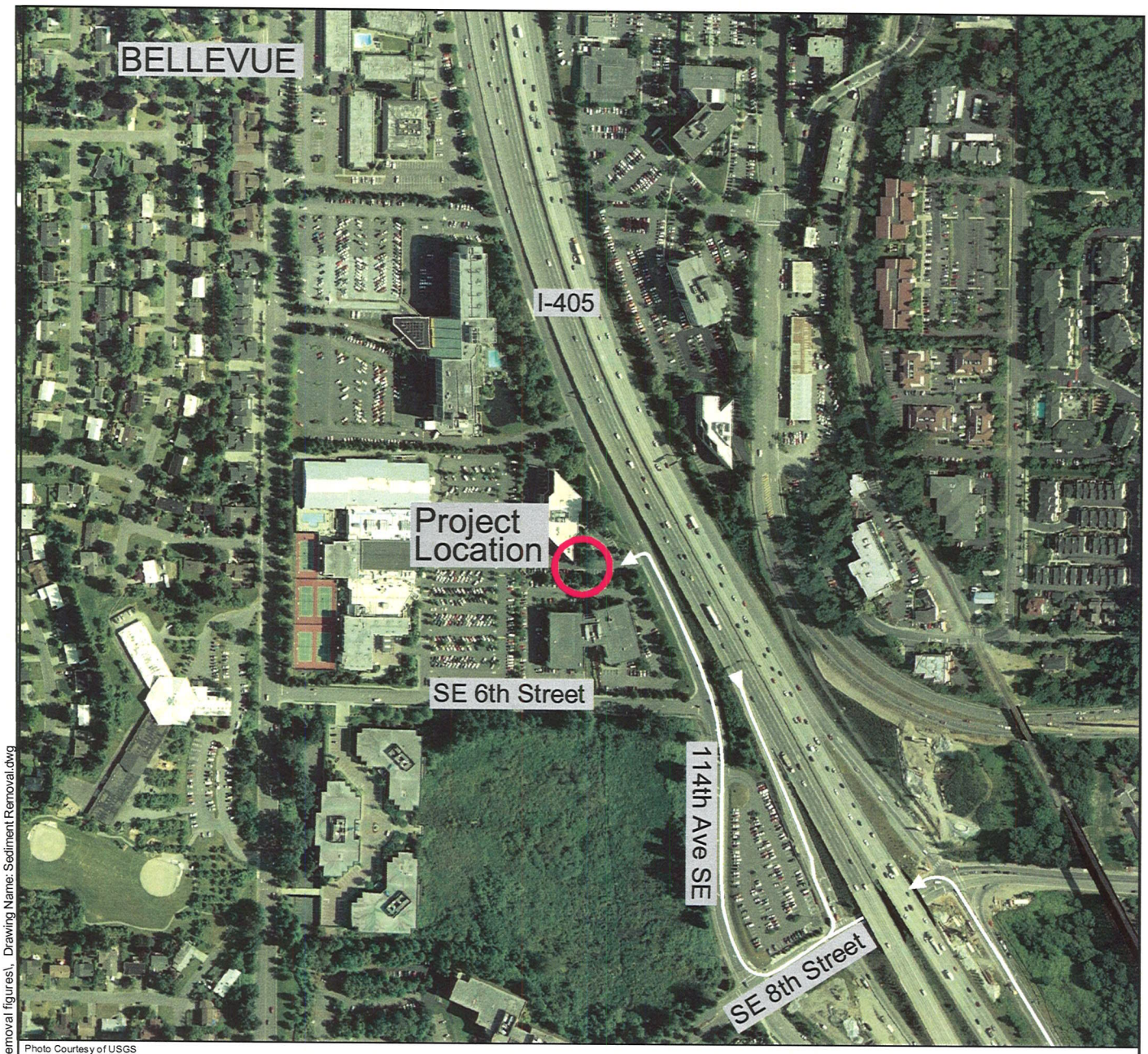


Photo Courtesy of USGS

APPROXIMATE SCALE IN FEET

0 200 400 800

47.60457 N Lat. / -122.18756 W Long.

Section: 32
Township: 25
Range: 5

DRIVING DIRECTIONS (From I-405 Southbound):

Take exit 12 for SE 8th St	0.2 mi
Turn right at SE 8th St	279 ft
Turn right at 114th Ave SE	
Destination will be on the left	0.3 mi

DRIVING DIRECTIONS (From I-405 Northbound):

Take exit 12 for SE 8th St	0.2 m
Follow signs for 118th Ave SE	482 ft
Turn left at SE 8th St	0.1 mi
Turn right at 114th Ave SE	
Destination will be on the left	0.3 mi

SITE VICINITY

Cordova Building
Bellevue, Washington

By: GSM	Date: 5/11/2009	Project No. 10111.003
AMEC Geomatrix		Figure 1

Plot Date: 05/11/09 - 2:10pm, Plotted by: gary.maxwell
Drawing Path: P:\SanMar Corp\10111-003 Cordova Sediment\CAD\ARPA sediment removal figures\, Drawing Name: Sediment Removal.dwg

Photo Courtesy of USGS

47.60457 N Lat. / -122.18756 W Long.

Section: 32
Township: 25
Range: 5

N

APPROXIMATE SCALE IN FEET

0 40 80 160

Existing Mitigation Area

Sediment Removal Area

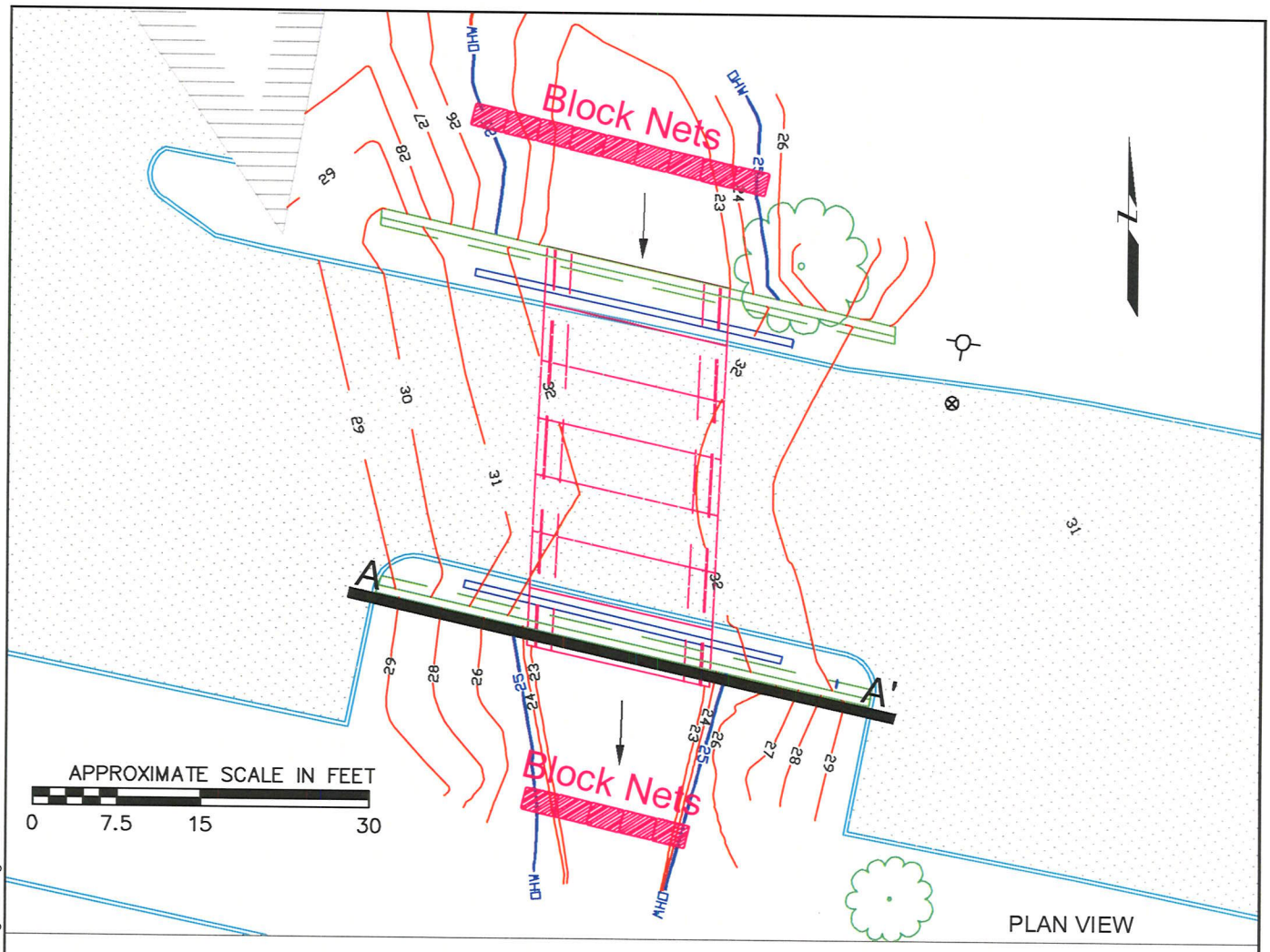
Water Quality Monitoring Station (100' Upstream & Downstream of Sediment Removal Areas)

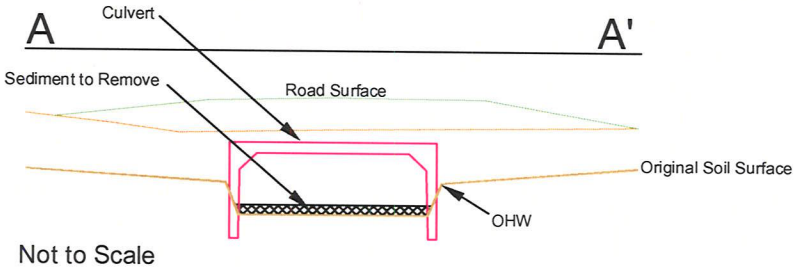
PROJECT LOCATION

Cordova Building
Bellevue, Washington

By: GSM	Date: 6/20/2009	Project No. 10111.003
AMEC Geomatrix		Figure 2

Plot Date: 08/20/09 - 11:39am, Plotted by: gary.maxwell
Drawing Path: P:\SanMar Corp\10111-003 Cordova Sediment\CAD\JARPA sediment removal figures\, Drawing Name: Sediment Removal.dwg





CROSS SECTION VIEW

47.60457 N Lat. / -122.18756 W Long.

Section: 32
Township: 25
Range: 5

SEDIMENT REMOVAL

Cordova Building
Bellevue, Washington

By: GSM	Date: 5/11/2009	Project No. 10111.003
AMEC Geomatrix		Figure 3

Plot Date: 05/11/09 - 2:13pm, Plotted by: gary.maxwell
Drawing Path: P:\SanMar Corp\10111-003 Cordova Sediment\CAD\Sediment Removal\, Drawing Name: Sediment Removal Figure 3.dwg

APPENDIX A

City of Bellevue June 20, 2009 Letter

City of Bellevue

Post Office Box 90012 ▪ Bellevue, Washington ▪ 98009 9012

July 20, 2009

Jordan Lott
J&J Management
30500 SE 79th St.
Issaquah, WA 98027

RE: 09-113567-LO, Cordova Building Stream Sediment Maintenance, 405 114th Ave. NE

Dear Mr. Lott,

I have reviewed the above Critical Area Land Use Permit (CALUP). The notice of application for this permit occurred on June 11th and had a 14-day public comment period that expired on June 25th. This application requests Land Use approval for the periodic removal of sediment from Sturtevant Creek (Type-F stream) where it passes through a culvert on the site.

The Land Use code does not have specific requirements or performance standards for sediment removal but does have general standards for streams in LUC 20.25H.080 and there are also BMPs which are applicable to this project. Approval of this application is for overall Land Use approval of the activity. A clearing and grading permit which includes SEPA review and a temporary erosion control plan will be required to conduct the proposed work now and for each occurrence when needed in the future.

I. **The following BMPS or equivalent are typically applied to sediment removal proposals and will apply to this project in addition to the proposed measures as conditions of approval. The below items may require changes to the submitted Sediment Removal Plan where applicable:**

1. To mitigate adverse impacts to the fisheries resources, in-water work in tributaries to Lake Washington shall be limited to the time period of July 1 to August 31, or as specified by the Hydraulics Project Approval issued by the Washington State Department of Fish and Wildlife.

2. To mitigate impacts on existing fish populations and to prevent sediment from being conveyed downstream during construction, a stream bypass system is required. The following items must be shown on the Sediment Removal Plan and future clearing and grading plans when stream bypass systems are to be implemented during construction:

    a. Flow should be diverted to a point downstream of the construction sites through a pipe or pump. Ensure pipe outlet is stabilized to prevent scour and erosion. Pump and bypass should be designee or reviewed by an engineer to ensure capacity can handle peak flows.

b. The bypass systems must be in operation prior to commencing grading and clearing on the site.

c. Pumps should be provided to ensure diverted stream flow moves through the pipe. A backup pump is also required in case the primary pump fails.

d. Temporary permeable barrier structures or devices should be installed downstream of the construction sites, which are designed to trap residual sediments after construction is complete and before full flow is restored.

e. Water should be pumped from the construction sites due to groundwater flow or precipitation into the sanitary sewer, settling tanks or an appropriately designed sediment pond.

3. To mitigate potential water quality degradation or other impacts if a utility line were broken during construction, utilities shall be field located prior to construction activities. The appropriate jurisdictions and departments shall be contacted at 1-800-424-5555.

4. To minimize the downstream discharge of sediments where the magnitude of the maintenance activity could result in a discharge of more than two cubic yards of sediment, the following shall be incorporated into any temporary erosion and sedimentation control plan submitted with the clearing and grading permit application:

    a. As part of the clearing and grading applications for activities in this proposal or at the request of the clearing and grading supervisor following notification of intent to do work, turbidity monitoring plans shall be submitted to ensure state water quality standards (i.e. not to exceed 5 NTUs above background or 10% above background if background exceeds 50 NTUs) are maintained downstream of the project areas. Reporting requirements shall be identified within the Clearing and Grading Permit and at a minimum shall include:

        i. A trained inspector or water quality professional shall be engaged to conduct the required monitoring and reporting.

        ii. Monitoring locations shall be specified on the clearing and grading plans.

        iii. Weekly monitoring reports must be submitted to the PCD during the excavation and stabilization phase.

    b. Exposed embankment slopes abutting creeks shall be stabilized using erosion control blankets (coir or jute or equivalent) in combination with restoration planting.

    c. All slopes, stockpiles and disturbed soils that could drain directly into creeks shall be covered at the end of each working day or when there is a likelihood of measurable precipitation.

5. Fish within major project work areas must be removed by installing nets 30 feet upstream and downstream at either end of the project area and by four-pass electrofishing. Stranded fish must be removed with dip nets from remaining pools. Fishnets shall remain in place during construction. If threatened Puget Sound chinook are found, electrofishing will cease and fish removal will be accomplished by dragging a net downstream. Fish will be transported in clean buckets and released downstream of the project areas.

II. The following issues were identified from review of the permit documentation:

6. Please provide the following information in an addendum to the submitted Sediment Maintenance Plan dated May 2009:
    a. A vactor truck is proposed to remove the sediment. Please clarify if the truck will access the stream from the existing culvert stream crossing or if a temporary access will be constructed.
    b. Please state the disposal methods for the removed sediment.
    c. As sediment buildup will continue to be an issue on this site requiring permits for removal, a threshold needs to be established where sediment will be removed once the culvert opening is reduced to the established threshold.

Please resubmit the requested information to the permit center with the enclosed revisions/additions form within 60 days of the date of this letter in order for review of the permit to continue. If no revisions or time extension requests are received within 60 days the permit will be cancelled without further notice.

If you have any questions regarding these issues and revisions I would be happy to talk with you. I can be reached at (425) 452-4350 or at rpittman@bellevuewa.gov.

Sincerely,

Reilly Pittman
Associate Planner

En: Revisions/Additions Form

Cc: Michael Paine, Environmental Planning Manager